

Science/Math Applications For Nutrition/Exercise

Interested? How do you get on board?

Simple question. Simple and easy answers.

Course Registration/Time/Contact Information

Course Registration: CI 692I, CRN 51410, Section 00I, Summer A 2006, first 3 weeks (June 12-30).

Time/Place: The course is on-line except for two face to face class sessions at West Virginia University: June 12 and 19th from 1-4 pm in 1106C Prete Building.

Registration Online: <http://www.arc.wvu.edu/courses> (Choose "Session A" under Semester and "Criteria, On Campus")

Contact Information: jim.rye@mail.wvu.edu

Required Text: Bowes and Church's Food Values of Portions Commonly Used (18th edition) and additional online readings

Course Description

This course is an innovative web-based graduate course for 4-12th grade teachers particularly interested in the areas of science and mathematics.

The course integrates nutrition and physical activity content with a focus on math and science applications.

Through inquiry -based instruction participants will explore the following topics:

- *food composition*
- *energy expenditure*
- *pedometers*
- *human energy balance*

CSO's

The course incorporates a broad range of CSO's directly applicable to the classroom. These include the following:

Mathematics:

MA.6.2.5, MA.S.5, AGP1.2

Science:

SC.5.4.2, SC.7.2.6, SC10.2.1

Health:

HE.HS.3.2, HE.HS.1.1

Technology needs...

- *internet connection*
- *navigate internet and Power Point presentations*
- *utilize Adobe Acrobat Reader*
- *explore data analysis in Microsoft Excel*
- *word processing abilities and program*
- *email capabilities*

Real World Applications



Summer 2006